

## ABSTRACT

The invention provides a router device, a communication device, a routing method, a routing program, and a computer-readable recording medium recorded with the routing program that enable to improve communication efficiency. The communication data receiving section 10 receives communication data from the high-speed transmission medium 2. The communication data storage 11 stores the received communication data therein. The communication data sending section 12 sends the communication data to the low-speed transmission medium 3. The communication data temporal storage 13 temporarily stores the communication data sent from the communication data sending section 12 therein. The destination comparing section 14 compares the destination of the communication data stored in the communication data storage 11 with the destination of the communication data stored in the communication data temporal storage 13. The communication data transmission controlling section 15 designates the communication data sending section 12 to send the communication data stored in the communication data storage 11 if a comparison result by the destination comparing section 14 indicates destination matching or if no communication data is stored in the communication data temporal storage 13. The communication data erasing section 16 erases the transmitted communication data from the communication data storage 11.